

INDEX TO VOLUME V

- Aaron, A. H., 444.
 Abell, Irvin, 194.
 Abrams, Albert, 449.
 Abramson, H. A., 213.
 Abscess, pulmonary, Certain aspects of, from analysis of 227 cases, F. T. Lord (abstract), 271, 272.
- Abstracts—**
 Abscess, pulmonary, Certain aspects of, from analysis of 227 cases, F. T. Lord, 271, 272.
 Anemia, Aplastic, following treatment with X-rays, Joan M. Ross, 198.
 Appendix, Clinical importance of chronic changes in, F. W. White, 90.
 Bones, Diagnosis and treatment of benign cystic and fibrocystic diseases of, F. A. Jostes, 362.
 Bronchitis, Arachidic and other forms of vegetal, Chevalier Jackson, Gabriel Tucker, and L. H. Clerf, 269, 270.
 Bronchostenosis, Effect of, upon roentgen-ray shadows in carcinoma of bronchus, Ross Golden, 91.
 Burns, X-ray, Remarks on delayed or remote appearance of, after long periods of latency, Rudolph Matas, 89.
 Cancer and heredity, P. Lockhart-Mummery, 269.
 Cancer, Diagnosis of, James Ewing, 88.
 Cancer of cervix: treatment of malignant diseases with radium and X-ray, R. B. Greenough, 86, 87.
 Cancer, Review of theories of mechanism of action of radiation in treatment of, K. W. Stenstrom, 273.
 Cancer, Surgical treatment of, E. S. Judd, 529.
 Carcinoma of breast, End-results of treatment of, with surgery, radium, and roentgen rays, Henry Schmitz, 177, 178.
 Carcinoma of cervix, Results of radiation treatment for: doses measured in R-units in so-called critical zones, L. Lahm, 531, 532.
 Carcinoma of cervix uteri, Preliminary report of primary, treated with radium in Woman's Hospital (N. Y.), L. K. P. Farrar, 452.
 Carcinoma of esophagus, Treatment of, by radiation, D. C. Greene, 87, 88.
 Carcinoma, mammary, Evaluation of pre-operative and post-operative radiation in treatment of, B. J. Lee and R. E. Herendeen, 533.
 Carcinoma of pituitary gland, Metastatic, and diabetes insipidus, A. Piney and Ida Coates, 86.
 Ceco-colic sphincter tract, I. S. Hirsch, 268, 269.
 Chest conditions, Uses of roentgen ray in diagnosis of, John E. Livingood, 210.
 Cholecystography, Clinical use of sodium tetraiodophenolphthalein in, Gibbs Milliken and L. R. Whitaker, 456.
 Cholelithiasis, Some aspects of, Berkeley Moynihan, 87.
 Circulation of extremities, New methods for study of diseases of, Barney Brooks, 361.
 Coxa vara in adolescence, F. C. Kidner, 361, 362.
 Deep intensities, Calculation of, M. Bolaffio, 85, 86.
 Dermatoses, Chronic roentgen-ray, as seen in professional man, H. N. Cole, 17.
 Diaphragmatic hernia of cardia of stomach through esophageal orifice, Report of interesting type of, Julius Friedenwald and Maurice Feldman, 354, 355.
 Diaphragmatic hernia, Symptoms observed in 53 cases of non-traumatic, T. R. Healy, 273.
 Diphtheria carriers, Treatment of, by roentgen radiation, Dalton Kahn, 70.
 Diploic veins, Dilatation of, and other anatomical variations in skull, L. T. LeWald, 178.
 Elbow fractures and dislocations, Treatment and analysis of 181 cases at Bellevue Hospital, N. Y., I. E. Siris, 455, 456.
 Erythema as unit in deep roentgen therapy dosimetry, E. T. Leddy and J. L. Weatherwax, 179.
 "Erythema dose," Comparison between French and German, as measured on Solomon iontoquantimeter, I. I. Kaplan, 157.
 Esophagoscopy: means of detecting foreign bodies non-opaque to X-rays, W. F. Wilson, 146.
 Esophagus, Cicatricial stenosis of, with particular reference to treatment by continuous string, retrograde bouginage with author's bougie, Gabriel Tucker, 179.
 Fallopian tubes, Method of determining patency of, by X-rays, Everard Williams and Russell Reynolds, 181, 182.
 Fetus amorphus, J. P. Simonds and G. A. Gowen, 360, 361.
 Fibroma, Nasal—surgical removal—recurrence—treated by radiation, B. D. Parish and G. E. Pfahler, 270, 271.
 Filters, Comparison of different metallic, used in radium therapy, E. H. Quimby, 359, 360.
 Foot, Fractures of, Leo Dretzka, 531.
 Fractures, No-foreign body, tight fitting window cast technic in open reduction of, A. L. Soresi, 361.
 Gastric mucosa (Pawlow pouch) of dog, Histological changes in, following irradiation, A. B. Dawson, 356, 357.
 Goiter, exophthalmic, Effect of administration of iodine upon, A. S. Jackson, 458.
 Gynecological conditions treated with radium alone or combined with surgery, W. S. Smith, 453, 454.
 Hearing, impaired, Study of effect of roentgen-ray therapy upon, D. C. Jarvis, 179.
 Hypernephroma in bone, Metastatic manifestations of, Richard Dresser, 358, 359.
 Hypertension, Right-sided carotid pulsations in cases of severe, G. E. Brown and L. G. Rowntree, 52.
 Hypertrophy of bones of limb due to nevus, Donald Paterson and W. G. Wyllie, 180, 181.
 Infection, Focal: a medico-dental problem, F. P. Wisner, 363, 364.
 Inflammatory conditions, X-rays in treatment of various, Simon Albert, 270.
 Iniencephalus—a cause of extreme dystocia, W. A. N. Dorland, 360.
 Intestine, Congenital abnormalities of: intestinal aplasia, atresia of rectum and anus complicated by rectovesical fistula, with report of cases, R. E. Farr and C. W. Brunkow, 453.
 Intrathoracic changes induced by heavy radiation, W. A. Evans and T. Leucutia, 257.
 Kidney, Some anomalies of, B. H. Nichols, 84.
 Kienböck's disease of semilunar bone, Ralph Goldsmith, 452.
 Leukemia, Study of effect of deep therapy on blood in, W. L. Watt and L. J. C. Braine, 89.
 Lipomas, Deep-seated, E. P. Lehman, 92.

INDEX TO VOLUME V

- Aaron, A. H., 444.
 Abell, Irvin, 194.
 Abrams, Albert, 449.
 Abramson, H. A., 213.
 Abscess, pulmonary, Certain aspects of, from analysis of 227 cases, F. T. Lord (abstract), 271, 272.
- Abstracts—**
 Abscess, pulmonary, Certain aspects of, from analysis of 227 cases, F. T. Lord, 271, 272.
 Anemia, Aplastic, following treatment with X-rays, Joan M. Ross, 198.
 Appendix, Clinical importance of chronic changes in, F. W. White, 90.
 Bones, Diagnosis and treatment of benign cystic and fibrocystic diseases of, F. A. Jostes, 362.
 Bronchitis, Arachidic and other forms of vegetal, Chevalier Jackson, Gabriel Tucker, and L. H. Clerf, 269, 270.
 Bronchostenosis, Effect of, upon roentgen-ray shadows in carcinoma of bronchus, Ross Golden, 91.
 Burns, X-ray, Remarks on delayed or remote appearance of, after long periods of latency, Rudolph Matas, 89.
 Cancer and heredity, P. Lockhart-Mummery, 269.
 Cancer, Diagnosis of, James Ewing, 88.
 Cancer of cervix: treatment of malignant diseases with radium and X-ray, R. B. Greenough, 86, 87.
 Cancer, Review of theories of mechanism of action of radiation in treatment of, K. W. Stenstrom, 273.
 Cancer, Surgical treatment of, E. S. Judd, 529.
 Carcinoma of breast, End-results of treatment of, with surgery, radium, and roentgen rays, Henry Schmitz, 177, 178.
 Carcinoma of cervix, Results of radiation treatment for: doses measured in R-units in so-called critical zones, L. Lahm, 531, 532.
 Carcinoma of cervix uteri, Preliminary report of primary, treated with radium in Woman's Hospital (N. Y.), L. K. P. Farrar, 452.
 Carcinoma of esophagus, Treatment of, by radiation, D. C. Greene, 87, 88.
 Carcinoma, mammary, Evaluation of pre-operative and post-operative radiation in treatment of, B. J. Lee and R. E. Herendeen, 533.
 Carcinoma of pituitary gland, Metastatic, and diabetes insipidus, A. Piney and Ida Coates, 86.
 Ceco-colic sphincter tract, I. S. Hirsch, 268, 269.
 Chest conditions, Uses of roentgen ray in diagnosis of, John E. Livingood, 210.
 Cholecystography, Clinical use of sodium tetraiodophenolphthalein in, Gibbs Milliken and L. R. Whitaker, 456.
 Cholelithiasis, Some aspects of, Berkeley Moynihan, 87.
 Circulation of extremities, New methods for study of diseases of, Barney Brooks, 361.
 Coxa vara in adolescence, F. C. Kidner, 361, 362.
 Deep intensities, Calculation of, M. Bolaffio, 85, 86.
 Dermatoses, Chronic roentgen-ray, as seen in professional man, H. N. Cole, 17.
 Diaphragmatic hernia of cardia of stomach through esophageal orifice, Report of interesting type of, Julius Friedenwald and Maurice Feldman, 354, 355.
 Diaphragmatic hernia, Symptoms observed in 53 cases of non-traumatic, T. R. Healy, 273.
 Diphtheria carriers, Treatment of, by roentgen radiation, Dalton Kahn, 70.
 Diploic veins, Dilatation of, and other anatomical variations in skull, L. T. LeWald, 178.
 Elbow fractures and dislocations, Treatment and analysis of 181 cases at Bellevue Hospital, N. Y., I. E. Siris, 455, 456.
 Erythema as unit in deep roentgen therapy dosimetry, E. T. Leddy and J. L. Weatherwax, 179.
 "Erythema dose," Comparison between French and German, as measured on Solomon iontoquantimeter, I. I. Kaplan, 157.
 Esophagoscopy: means of detecting foreign bodies non-opaque to X-rays, W. F. Wilson, 146.
 Esophagus, Cicatricial stenosis of, with particular reference to treatment by continuous string, retrograde bouginage with author's bougie, Gabriel Tucker, 179.
 Fallopian tubes, Method of determining patency of, by X-rays, Everard Williams and Russell Reynolds, 181, 182.
 Fetus amorphus, J. P. Simonds and G. A. Gowen, 360, 361.
 Fibroma, Nasal—surgical removal—recurrence—treated by radiation, B. D. Parish and G. E. Pfahler, 270, 271.
 Filters, Comparison of different metallic, used in radium therapy, E. H. Quimby, 359, 360.
 Foot, Fractures of, Leo Dretzka, 531.
 Fractures, No-foreign body, tight fitting window cast technic in open reduction of, A. L. Soresi, 361.
 Gastric mucosa (Pawlow pouch) of dog, Histological changes in, following irradiation, A. B. Dawson, 356, 357.
 Goiter, exophthalmic, Effect of administration of iodine upon, A. S. Jackson, 458.
 Gynecological conditions treated with radium alone or combined with surgery, W. S. Smith, 453, 454.
 Hearing, impaired, Study of effect of roentgen-ray therapy upon, D. C. Jarvis, 179.
 Hypernephroma in bone, Metastatic manifestations of, Richard Dresser, 358, 359.
 Hypertension, Right-sided carotid pulsations in cases of severe, G. E. Brown and L. G. Rowntree, 52.
 Hypertrophy of bones of limb due to nevus, Donald Paterson and W. G. Wyllie, 180, 181.
 Infection, Focal: a medico-dental problem, F. P. Wisner, 363, 364.
 Inflammatory conditions, X-rays in treatment of various, Simon Albert, 270.
 Iniencephalus—a cause of extreme dystocia, W. A. N. Dorland, 360.
 Intestine, Congenital abnormalities of: intestinal aplasia, atresia of rectum and anus complicated by rectovesical fistula, with report of cases, R. E. Farr and C. W. Brunkow, 453.
 Intrathoracic changes induced by heavy radiation, W. A. Evans and T. Leucutia, 257.
 Kidney, Some anomalies of, B. H. Nichols, 84.
 Kienböck's disease of semilunar bone, Ralph Goldsmith, 452.
 Leukemia, Study of effect of deep therapy on blood in, W. L. Watt and L. J. C. Braine, 89.
 Lipomas, Deep-seated, E. P. Lehman, 92.

- Liver function, Study of hemoclastic crisis test for, A. F. B. Shaw, 269.
- Lung abscess, Localization of, by roentgen ray, with special reference to use of Hirtz compass: preliminary report, L. R. Sante and E. P. Lehman, 360.
- Lymphangioma of leg, H. C. Cameron, 92.
- Malignant disease of ear, nose, and throat, Electrocoagulation and radiation therapy in, G. E. Pfahler, 357.
- Malignant disease, General survey of radiotherapy in, S. G. Scott, 180.
- Malignant neoplasms, Further observations on treatment of, by fractional roentgen radiation technique, J. D. Morgan, 273, 274.
- Malignant neoplasms, Some unusual cases of, J. K. Narat, 452, 453.
- Malignant newgrowths, Etiology of, W. E. Gye, 364.
- Malignant tumors, Mechanism of formation and growth of, Alexis Carrel, 530, 531.
- Meningiomas: Roentgenological aspects of brain tumors, M. C. Sosman and T. J. Putnam, 90.
- Metabolic disturbances, Immediate, following deep roentgen-ray therapy, H. P. Doub, A. Bolliger, and F. W. Hartman, 59.
- Moles, warts, and epitheliomata, Roy Blosser, 236.
- Myelomata, Multiple, W. J. Stone, 178.
- Osteomyelitis of cranial bones secondary to paranasal sinus operations, H. I. Lillie, 271.
- Otolaryngology, Present status of electrotherapeutic measures used in practice of, J. C. Beck and H. L. Pollock, 231.
- Patella, Congenital anomaly of, A. W. George and R. D. Leonard, 273.
- Pertussis on heart, Effect of, P. V. Ledbetter and P. D. White, 84, 85.
- Pneumoperitoneum as aid in diagnosis of obscure pelvic lesions and early pregnancy, L. E. Burch, 457, 458.
- Pneumothorax, Diagnostic, H. J. Isaacs, 272.
- Prostate, Problem of benign, E. O. Swartz, 357, 358.
- Protection against 200,000-volt roentgen rays, Barium sulphate plaster for, L. R. Sante and Tracy Hinkley, 355.
- Protection device for high voltage therapy, G. E. Pfahler, 274.
- Pulmonary collapse, Massive, A. B. Soltau, 121.
- Pyelonephritis, Arthur H. Crosbie, 269.
- Radiation, Biological experiments on question of stimulating effect of, J. Seide, 532.
- Radiation, Physiological effects of—electromagnetic spectrum, W. T. Bovie, 271.
- Radio-activity, Influence of, on metabolism in cells of animals and plants, J. Stocklasa, 530.
- Radiodermatitis, Electrocoagulation or desiccation in treatment of keratoses and malignant degeneration which follow, G. E. Pfahler, 33.
- Radium emanation in bare tubes, Objections to use of, with clinical and histological observations, W. L. Clark, J. D. Morgan, and E. J. Asnis, 179, 180.
- Radius, Separation of upper epiphysis of, A. H. Montgomery, 453.
- Radius, Treatment of epiphyseal separation of lower end of, Isadore Zadek, 458.
- Roentgen-ray lesions, Surgical treatment of, C. A. Porter, 89, 90.
- Roentgen rays, Physico-chemical effect of, on organism, G. D. Lieber, 531.
- Roentgen rays, Systemic effect of: critical review, B. Kuhlmann, 531.
- Sacro-iliac conditions, Clinical diagnosis of common, M. N. Smith-Petersen, 178.
- Sarcoma, Study of reactions of tissues of rat's liver to larvae of *Tenia Crassicolis* and histogenesis of cysticercus, F. D. Bullock and M. R. Curtis, 52.
- Sciatica: neuro-orthopedic consideration, Charles Rosenheck and Harry Finkelstein, 121.
- Sinus disease, maxillary, Comparative value of transillumination and roentgenography in diagnosis of, H. H. Briggs, 361.
- Sinuses, New technique in roentgenography of nasal accessory, Maxwell Maltz, 36.
- Skeletal remains of prehistoric Mound Builder Indians of Ohio, Roentgenological study of, H. J. Means, 360.
- Skull, Fracture of: analysis of 171 proved cases, C. W. Rand and J. M. Nielsen, 362, 363.
- Spondylitis deformans, R. L. Knaggs, 91, 92.
- Sterilization, Temporary roentgen, and its indication, H. Borell, 529.
- Stomach, Diverticula of: possible source of error in radiological diagnosis of gastric ulcer, A. F. Hurst and P. J. Briggs, 177.
- "Stomach, leather-bottle," Some observations on condition sometimes called, Stanley Wyard, 530.
- Submaxillary region, Swellings of, R. H. Ivy, 454, 455.
- Syphilis of stomach, J. A. Hartwell, 415.
- Syphilis of stomach, with study of ten probable cases, A. S. Merrill, 85.
- Tendon or sesamoid, Ossification of peroneal, in region of attachment at base of fifth metatarsal, L. A. O. Goddu, 271.
- Tetrabromphenolphthalein, Oral administration of sodium—preliminary report, T. O. Menees and H. C. Robinson, 355, 356.
- Tetrabromphenolphthalein sodium salt, Further experience with, in roentgenographic diagnosis of gall-bladder disease, W. H. Stewart, 257.
- Thymus, Enlarged: differential diagnosis and radium treatment, G. W. Grier, 210.
- Thymus stimulation by roentgen rays, Investigation of, Maurice Lenz, 274.
- Thyroid, Is irradiation a satisfactory treatment for substernal? G. W. Grier, 359.
- Tonsils, Radium treatment of, C. A. Simpson, 177.
- Tuberculoma of cecum: hyperplastic tuberculosis, F. C. Herrick, 457.
- Tuberculosis, Diagnosis of, C. M. Hendricks, 91.
- Tuberculosis, early, Differential diagnosis of, George R. Harris, 198.
- Tuberculosis, Gold treatment of, 174, 175.
- Tuberculosis, pulmonary, Heliotherapy in advanced, I. D. Bronfin, 456, 457.
- Tuberculosis, Pulmonary, in childhood, F. G. Chandler and T. W. Preston, 106.
- Tuberculosis, Pulmonary, in childhood, J. A. Watt, 103.
- Tuberculosis, pulmonary, Observations concerning the contralateral lung in, treated by artificial pneumothorax, R. W. Matson, R. C. Matson and Marr Bisailon, 451.
- Tuberculosis, pulmonary, X-ray diagnosis in, R. S. E. Murray, 272.
- Tuberculous cervical adenitis, Radiotherapy in treatment of, M. K. Smith and J. G. Hopkins, 356.
- Tumors, brain, Method for localization of: the pineal shift, H. C. Naffziger, 455.
- Tumors, brain, Results of roentgen therapy on, Percival Bailey, 4.
- Tumors, Doubtful—shall we excise a piece for diagnosis? A. R. Kilgore, 205.
- Ulcer, duodenal, Operative treatment of, with special reference to Horsley operation, J. F. Erdmann and R. F. Carter, 454.

- Ureter, Stricture of, W. S. Pugh, 532, 533.
 Ureteral stones, Use of indwelling catheter to induce passage of, Edwin Beer and L. J. Hahn, 8.
 Ureteral variations, with associated kidney changes, D. J. Roberts, 359.
 Urethra, Radium in lesions of female, L. A. Pomerooy and F. W. Milward, 131.
 Uterine fibroids, Treatment of, J. B. Deaver, 532.
 Vertebra, Sacralization of fifth lumbar, B. H. Moore, 362.
 Viruses, Microscopical examination of filterable, J. E. Barnard, 451.
 Vomiting in infancy, H. C. Cameron, 175-177.
 Wave form and efficiency: analysis of roentgen therapy machines, W. E. Chamberlain and R. R. Newell, 179.
 Xanthosarcoma of thumb, Vincent Vermooten, 456.
 X-ray diagnosis, What practitioner should expect in, F. B. Stephenson, 91.
 X-rays, Versatility of, G. L. Clark, 181.
 "Achalasia," 176.
 Acre, Regel R., 424.
 Adair, Frank E., 443.
 Adair, 303.
 Adam, J. N., Memorial Hospital, Perrysburg, N. Y., 456.
 Albers-Schoenberg, 67.
 Albert, Simon, 270.
 Alexander, 121.
 Allen, Bundy, 442.
 Allison, Robert G., 29.
 Alter, 297.
 American and European surgery compared, 12.
 American Dental Association, 363.
 American Roentgen Ray Society, program of annual meeting, 262.
 American Society for the Control of Cancer, 306.
 American Surgical Association meeting, Washington, 1921, 293.
 Amreich, I., 427.
 Andral, 415.
 Anemia, Aplastic, following treatment with X-rays, Joan M. Ross (abstract), 198.
 Anesthesia light for fluoroscopic room, A. H. Stall, 166.
 Anschütz, 290-293.
 Appendicitis, Chronic: basis for varied clinical manifestations, Morris I. Bierman, 152.
 Appendicitis, chronic, Stasis in ascending colon simulating, T. D. Cunningham, 480.
 Appendix, Clinical importance of chronic changes in, F. W. White (abstract), 90.
 Appendix, Normal and pathological, R. A. Arens and A. R. Bloom, 513.
 Arcelin, F., 44-52.
 Arens, Robert A., 93, 115, 118, 120, 442-444, 513.
 Arndt-Schultz law, 276, 532.
 Arthritis, infectious, Case of, N. J. Nessa, 167.
 Aschoff, 174.
 Asnis, E. J., 179, 180, 276.
 Associated Radiographic Laboratories of San Francisco, 363.
 Auerbach's plexus, 466.
 Baccarini, 362.
 Baetjer, 398.
 Bagg, 441.
 Bailey, Harold, 234.
 Bailey, Percival, 4.
 Bailey, 7, 16, 441.
 Baisch, 326.
 Baker, 288.
 "Bankers' Shares" Scheme, 263.
 Barcat, 509.
 Barclay, A. E., 171, 261.
 Bardeen, C. R., 76, 447.
 Barnard, J. E., 451.
 Barnard Free Skin and Cancer Hospital, St. Louis, 5, 468.
 Barrow, S. C., 228, 531, 533.
 Bartlett, Guy, 439.
 Bauchman, 290.
 Bayliss, 176, 467.
 Beaujeu, Jaubert de, 297.
 Beck, A., 295.
 Beck, Carl, 301.
 Beck, Emil G., 60, 301, 302, 305.
 Beck, J. C., 231.
 Beckwith, J. H., 74.
 Bécélère, H., 513.
 Becquerel, 232.
 Beeler, R. C., 417.
 Beer, Edwin, 8, 57.
 Belden, Webster W., 262, 435, 443.
 Bellevue Hospital, New York, 132, 456.
 Bellot, 509.
 Bence-Jones protein, 132 *et seq.*
 Bergonié, 67.
 Berkheiser, E. J., 133.
 Bernstein, M. L., 443.
 Berti, 465.
 Besser, 470.
 Bettman, Ralph B., 161.
 Beuttner, 8.
 Bier Clinic (Berlin), 289, 290.
 Bierman, Morris I., 152.
 Billroth, 280.
 Bird, Clarence E., 263.
 Bisaillon, Marr, 451.
 Bladder tumors, Radiotherapy of, Joseph Muir, 53.
 Bland, P. B., 148.
 Blood, experiments relating to, 59.
 Blood, Studies on the suspension stability of human, Ernst A. Pohle, 206.
 Bloodgood, Joseph C., 37, 145, 168, 288, 362.
 Bloom, Arthur R., 161, 513.
 Blosser, Roy, 236.
 Blue, James A., 346.
 Boas, 306.
 Boesch, 331.
 Boggs, Russell H., 233, 294.
 Bolaffio, M., 85, 86.
 Boldyreff, W. N., 263.
 Bolliger, A., 59.
 Bond, 181.
 Bone and joint lesions, Analysis of, of known syphilitic origin, Willis C. Campbell, 122.
 Bones, Diagnosis and treatment of benign cystic and fibrocystic diseases of, F. A. Jostes (abstract), 362.
 Bones, Metastasis to, from carcinoma of breast: a roentgenologic study, H. W. Meyerding, R. D. Carman, and J. D. Garvin, 486.
 Bonney, 509.
 Book reviews, 66, 82, 172, 173, 353, 448.
 Borell, H., 529.
 Boss Clinic (Breslau), 289, 290.
 Bouslog, 369.
 Bovie, W. T., 203, 204, 271.
 Bowditch, H. I., 528.
 Bowing, H. H., 15, 276, 443.
 Boyden, Edward A., 220.
 Braasch, W. F., 163, 418.
 Bragg, Sir William, 260.
 Brain tumors, Method for localization of: the pineal shift, H. C. Naffziger (abstract), 455.
 Brain tumors, Results of roentgen therapy on, Percival Bailey (abstract), 4.
 Brain tumors, Roentgenological aspects of: meningiomas, M. C. Sosman and T. J. Putnam (abstract), 90.

- Braine, L. J. Carter, 89.
 Brams, 415.
 Breast, carcinoma of, Metastasis to bones from: a roentgenologic study, H. W. Meyerding, R. D. Carman, and J. D. Garvin, 486.
 Briggs, H. H., 361.
 Briggs, P. J., 177.
 Briscoe, 121.
 British Royal Infirmary, 361.
 Broders, A. C., 277, 288, 529.
 Brodin, P., 517.
 Bronchitis, Arachidic and other forms of vegetal, Chevalier Jackson, Gabriel Tucker, and L. H. Clerf (abstract), 269, 270.
 Bronfin, I. D., 457.
 Brooklyn (N. Y.) Methodist Episcopal Hospital, 118.
 Brooks, Barney, 361.
 Brooks, Clark D., 303, 305.
 Brostrum, 290.
 Brown, George E., 52.
 Brunkow, Clarence W., 453.
 Bryan, Lloyd, 442.
 Bryant, 289.
 Bull, 306.
 Bullock, F. D., 52.
 Bumpus, H. C., Jr., 55.
 Bumpus, 358.
 Bunnell, Sterling, 66.
 Burch, Lucius E., 458.
 Burnam, Curtis F., 1, 233.
 Burnett, 367.
 Burns, X-ray, Remarks on delayed or remote appearance of, after long periods of latency, Rudolph Matas (abstract), 89.
 Burrows, M. T., 260, 443.
 Butler, Frank E., 159.
 Butler, P. F., 262.
 Cabot, Richard, 183.
 Calcoli, 8.
 Calculi of urinary bladder, Two cases of faceted, F. S. O'Hara, 72.
 Cameron, H. C., 92, 175-177.
 Camp, J. D., 4, 33, 59, 70, 76, 84, 85, 88-92, 131, 157, 177-181, 257, 272-274, 354-360, 450, 495.
 Campbell, Andrew, 315.
 Campbell, Willis C., 122-131, 146.
 Cancer, advanced, Roentgen treatment of, E. T. Leddy and J. L. Weatherwax, 275.
 Cancer and heredity, P. Lockhart-Mummery (abstract), 269.
 Cancer, Diagnosis of, James Ewing (abstract), 88.
 Cancer of breast, Rôle of radiation in treatment of, U. V. Portmann, 286.
 Cancer of cervix, Etiology, pathology and treatment of, Daniel T. Quigley, 9.
 Cancer of cervix, Irradiation in, Fred. J. Taussig, 5.
 Cancer of cervix: Treatment of malignant diseases with radium and X-ray, R. B. Greenough (abstract), 86, 87.
 Cancer of rectum, Radiation treatment of, Thomas E. Jones, 306.
 Cancer of uterine cervix, Radiotherapy of (Radio-active substances and their therapeutic uses and applications), Joseph Muir, 232, 322, 509.
 Cancers of uterine cervix and body, Brief review of indications and technical procedures employed by authors in treatment of, C. F. Burnam and W. Neill, Jr., 1.
 Cancer, Review of theories of mechanism of action of radiation in treatment of, K. W. Stenstrom (abstract), 273.
 Cancer, Surgical treatment of, E. Starr Judd (abstract), 529.
 Cannon, 465.
 Canti, R. G., 260.
 Carcinoma, mammary, Evaluation of pre-operative and post-operative radiation in treatment of, B. J. Lee and R. E. Herendeen (abstract), 533.
 Carcinoma of body of uterus, Treatment of, Leda J. Stacy, 331.
 Carcinoma of breast, Case illustrating value of radium in recurrent, William Neill, Jr., 343.
 Carcinoma of breast, End-results of treatment of, with surgery, radium, and roentgen rays, Henry Schmitz (abstract), 177, 178.
 Carcinoma of breast, Metastasis to bones from: a roentgenologic study, H. W. Meyerding, R. D. Carman, and J. D. Garvin, 486.
 Carcinoma of bronchus, Effect of broncho-stenosis upon roentgen-ray shadows in, Ross Golden (abstract), 91.
 Carcinoma of cervix, Results of radiation treatment for; doses measured in R-units in so-called critical zones, L. Lahm (abstract), 531, 532.
 Carcinoma of cervix uteri, Preliminary report of primary, treated with radium in Woman's Hospital, N. Y., L. K. P. Farrar (abstract), 452.
 Carcinoma of esophagus, Treatment of, by radiation, D. C. Greene (abstract), 87, 88.
 Carcinoma of lower jaw, Certain difficult problems in treatment of, Frederick M. Johnson, 280.
 Carcinoma of pituitary gland, Metastatic, with diabetes insipidus, A. Piney and Ida Coates (abstract), 86.
 Carcinoma of trachea, Primary, Kenneth S. Davis, 342.
 Carcinoma of uterus, Statistical report of 800 cases of: Gynecological clinic of University of Erlangen; Results of X-ray therapy, Hermann Wintz, 500.
 Carey, Eben J., 467.
 Carman, Russell D., 43, 87, 101, 110, 111, 114, 115, 120, 216, 219, 260, 443, 486, 494, 517.
 Carmody, T. E., 367, 393, 442.
 Carnegie Corporation of New York, 363.
 Carrel, Alexis, 531.
 Carter, L. J., 524.
 Carter, Rupert F., 454.
 Case, James T., 82, 171, 183, 263.
 Castor oil, 119.
 Catheter, Use of indwelling, to induce passage of ureteral stones, Edwin Beer and L. J. Hahn (abstract), 8.
 Catholic Hospital Association, 171.
 Ceco-colic sphincter tract, I. S. Hirsch (abstract), 268, 269.
 Cecum, Report of case of lymphosarcoma of, T. S. Swan, 71.
 Centanni, 297.
 Cervix, cancer of, Etiology, pathology, and treatment of, Daniel T. Quigley, 9.
 Cervix, cancer of, Irradiation in, Fred. J. Taussig, 5.
 Cervix, cancer of: Treatment of malignant diseases with radium and X-ray, R. B. Greenough (abstract), 86, 87.
 See also under Cancer of uterine cervix, carcinoma, etc.
 Chadwick, 365.
 Challenger, C. J., 397.
 Chamberlain, W. E., 179.
 Chambers, 297.
 Chandler, F. G., 106.
 Chest conditions, Uses of roentgen ray in diagnosis of, John E. Livingood (abstract), 210.
 Cheyne, Watson, 290.
 Chiari, 415.
 Children, X-ray films of, 91, 365 *et seq.*
 Children's Hospital, Boston, 84.
 Children's Hospital, Denver, 369.
 Childs, Samuel B., 171.
 Chiropractic, 449.

- Cholecystography, Clinical use of sodium tetraiodophenolphthalein in, Gibbs Milliken and L. R. Whitaker (abstract), 456.
- Cholecystography, Oral administration of tetraiodophenolphthalein for, T. O. Menees and H. C. Robinson, 211.
- Cholecystography, Recent advancements in, William H. Stewart, Max Einhorn, and Eric J. Ryan, 222.
- Cholelithiasis, Some aspects of, Berkeley Moynihan (abstract), 87.
- Christian, 19.
- Christie, A. C., 171, 189, 294, 296.
- Circulation of extremities, New methods for study of diseases of, Barney Brooks (abstract), 361.
- Clark, G. L., 181.
- Clark, John C., 14, 16, 334.
- Clark, W. L., 179, 180, 276.
- Clarke, J. G., 148, 150, 151.
- Clerf, Louis H., 269, 270.
- Cleveland Clinic, 291, 293 *et seq.*, 307-309.
- Cleveland Radiological Society, 171.
- Cluzet, 67.
- Coates, Ida, 86.
- Codman, E. A., 145, 497.
- Coe, F. O., 262.
- Coffey, 309.
- Cole, H. N., 17.
- Cole, Lewis Gregory, 260, 443.
- Cole, W. H., 211, 222, 225.
- Cole, 112.
- Colles' fracture, 458.
- Collis P. Huntington Memorial Hospital, Boston, 55, 57.
- Colwell, H. A., 297.
- Compton effect, 201.
- Conn, H. R., 443.
- Coolidge, W. D., 440.
- Copher, G. H., 211, 222, 225.
- Corscaden, J. A., 149.
- Coryn, 295.
- Costolow, William E., 37, 410.
- Cotton, Frederic J., 172.
- Coupal, 66.
- Coventry, W. A., 294.
- Coxa vara in adolescence, F. C. Kidner (abstract), 361, 362.
- Crabtree, J. I., 243.
- Crane, A. W., 145.
- Crile Clinic, Cleveland, 290, 291.
- Crile, G. W., 148, 322, 334, 443.
- Cripps, 306.
- Crocker Memorial Hospital, 288.
- Crosbie, Arthur H., 269.
- "Cross-fire" radiation, 296.
- Cullen, T. S., 323, 326, 331.
- Cullen, William, 448.
- Cunha, Juan, 459.
- Cunningham, T. D., 480 *et seq.*
- Curie, Madame, 232.
- Curl, Howard, 447.
- Curtis, M. R., 52.
- Cushway, B. C., 66, 92, 106, 180, 181, 514.
- Cutler, Max, 263.
- Czepa, 276, 513, 518.
- Da Costa, 495.
- Dangers in roentgenology, G. E. Pfahler, 75.
- Darling, Byron C., 43, 114, 119, 120, 484, 485, 493.
- Dauvillier, 477.
- Davies, Mr. (of Davies, Rose and Company), 218, 219.
- Davis, Kenneth S., 342.
- Dawson, Alden B., 356, 357.
- Deaver, J. B., 290, 332, 358, 517, 532.
- DeBuys, 365.
- Deelman, 290.
- Deep intensities, Calculation of, M. Bolaffio (abstract), 85, 86.
- Degrais, 232, 509, 510.
- de Kop, 288.
- Delafield, 495.
- Dent, 176.
- Dentistry that prevents, Preventive, Howard R. Raper, 250.
- Derks, 286.
- Dermatoses, Chronic roentgen-ray, as seen in professional man, H. N. Cole (abstract), 17.
- Desjardins, A. U., 1, 13, 14, 76, 442.
- De Smit, J., 292, 293.
- Dessauer, 275, 297.
- Development of X-ray films, Laws of, R. B. Wilsey, 237.
- Diabetes insipidus, Metastatic carcinoma of pituitary gland and, A. Piney and Ida Coates (abstract), 86.
- Diaphragmatic hernia, Charles Ford, 158.
- Diaphragmatic hernia of cardia of stomach through esophageal orifice, Report of interesting type of, Julius Friedenwald and Maurice Feldman (abstract), 354, 355.
- Diaphragmatic hernia, Symptoms observed in 53 cases of non-traumatic, T. R. Healy (abstract), 273.
- Diemer, Frederick E., 159.
- Diphtheria carriers, Treatment of, by roentgen radiation, Dalton Kahn (abstract), 70.
- Diploic veins, Dilatation of, and other anatomical variations in skull, L. T. LeWald (abstract), 178.
- "Dislocations and Joint-fractures," reviewed, 172.
- Dock, 31.
- Dominici, Henri, 232, 509, 510.
- Dominici tube, 427.
- Donnans' theory, 531.
- Dorland, W. A. Newman, 360, 361, 441, 442.
- Doub, H. P., 59, 443.
- Douglass, H. L., 288.
- Dowd, C. N., 356.
- Dresser, Richard, 359.
- Dretzka, Leo, 531.
- Duane, 468, 470, 477.
- Dubreuil, 67.
- Duncan, Rex, 235.
- Dunham, H. K., 375, 443.
- Du Nouy, Leconte, 476.
- Duodenum, Needle perforating, Ralph B. Bettman and Arthur R. Bloom, 161.
- Dutrow, 361.
- Eastman Kodak Company, 214, 218, 219.
- Einhorn, Max, 215, 222.
- Eisendrath, D. N., 113, 417, 442.
- Elbow fractures and dislocations. Treatment and analysis of 181 cases at Bellevue Hospital, N. Y., I. E. Siris (abstract), 455, 456.
- Ellis, L. E., 513.
- Enfield, Charles D., 104, 442.
- Epitheliomata, Moles, warts and, Roy Blosser (abstract), 236.
- Erdmann, John F., 454.
- Ernst, E. C., 5, 7, 171, 260, 443, 468-479.
- Erskine, Arthur W., 259, 260, 468.
- Erythema as unit in deep roentgen therapy dosimetry, E. T. Leddy and J. L. Weatherwax (abstract), 179.
- "Erythema dose," Comparison between French and German, as measured on Solomon iontoquantimeter, I. I. Kaplan (abstract), 157.
- Esophagoscopy: means of detecting foreign bodies non-opaque to X-rays, W. F. Wilson (abstract), 146.
- Esophagus, Case of congenital absence of, E. B. Knerr, 165.
- Esophagus, Cicatricial stenosis of, with particular reference to treatment by continuous string, retrograde bouginage with author's bougie, Gabriel Tucker (abstract), 179.

- Esophagus, Obstruction of, John D. Osmond, 312.
 Esophagus, Treatment of carcinoma of, by radiation, D. C. Greene (abstract), 87, 88.
 European and American surgery compared, 12.
 Eusterman, George B., 85, 443.
 Evans, William A., 257.
 Evans, 365.
 Ewing, James, 18, 31, 88, 145, 263, 276, 277, 288, 289, 297, 322, 324-326, 399, 413, 425, 428, 429, 487.
 Extraction, Relation of roentgen ray to newer methods of, Boyd S. Gardner, 73.
 Eyster, J. A. E., 76.
 Faber, H. K., 528.
 Fahraeus, 206.
 Failla, 468.
 Fallopiun tubes, Method of determining patency of, by X-rays, Everard Williams and Russell Reynolds (abstract), 181, 182.
 Farr, Robert E., 453.
 Farrar, Lillian K. P., 452.
 Feldman, Maurice, 355.
 Female generative tract, Radiotherapy of benign lesions of, Joseph Muir, 147.
 Fetus amorphus, J. P. Simonds and G. A. Gowen (abstract), 360, 361.
 Fibroma, Nasal—surgical removal—recurrence—treated by radiation, B. D. Parish and G. E. Pfahler (abstract), 270, 271.
 Figi, 357.
 Films, Advantage of rigid, of various sizes in radiographing the mouth, James A. Blue, 346.
 Films, Laws of development of X-ray, R. B. Wilsey, 237.
 Filters, Comparison of different metallic, used in radium therapy, E. H. Quimby (abstract), 359, 360.
 Filters in deep X-ray therapy, Use of, Robert S. Landauer, 258, 259.
 Fineman, Solomon, 52, 82, 87, 89, 103, 121, 146, 174-177, 179-182, 198, 205, 231, 269-271, 361, 364, 451.
 Finkelstein, Harry, 121.
 Finney, 302.
 Finsterer, 288.
 Fischer's fluid, 89.
 Fishbein, Morris, 448.
 Fitz, 480.
 Flexner, 415.
 Fluoroscopic room, Anesthesia light for, A. H. Stall, 166.
 Foot, Fractures of, Leo Dretzka (abstract), 531.
 Ford, Charles, 158.
 Foreign bodies non-opaque to X-rays, Esophagoscopy, means of detecting, W. F. Wilson (abstract), 146.
 Foreign body, Case of detection of, H. L. Harris, 436.
 Forestier, Jacques, 442, 443.
 Forgue, 290.
 Forssell, Gösta, 260, 261, 277, 292, 463, 464, 466, 467.
 Fractures, No-foreign body, tight fitting window cast technic in open reduction of, A. L. Soresi (abstract), 361.
 Fractures, ununited, Effect of X-rays on callus formation in, Ernst A. Pohle, 67.
 Frank, Louis, 443.
 Frank, Robert T., 233, 324, 325.
 Fränkel, M., 67.
 Frankl, Oskar (Vienna), 323, 425, 427.
 Fricke, R. E., 279, 468, 476.
 Friedenwald, Julius, 355.
 Friedman, Joseph C., 93.
 Friedrich, 470, 477.
 Furstenburg, A. C., 262.
 Gaarde, Fred W., 526.
 Gall bladder, Clinical radiological study of, Joseph C. Friedman, Alfred A. Strauss and Robert A. Arens, 93.
 Gall-bladder disease, 87.
 Gall-bladder disease, Further experience with tetrabromphenolphthalein sodium salt in roentgenographic diagnosis of, W. H. Stewart (abstract), 257.
 Gall bladder, disease of, Roentgenologic diagnosis of, Russell D. Carman, 101.
 Gallstones and kidney stones, Differential diagnosis of, Bernard H. Nichols, 107.
 Gardner, Boyd S., 73, 169.
 Garhart, M. N., 113.
 Garvin, John D., 486.
 Gassmayer, 290.
 Gastric mucosa (Pawlow pouch) of dog, Histological changes in, following irradiation, A. B. Dawson (abstract), 356, 357.
 Gastro-duodenal anatomy and physiology, Radiologic considerations of, Juan Cunha, 459.
 Gastro-intestinal examinations, Easel for rapid serials, E. G. C. Williams, 438.
 Gellhorn, George, 5, 326.
 Gendreau, J. E., 204, 205.
 George, A. W., 273, 443, 513, 516.
 Gerber, Isaac, 513.
 Gerlach, Valve of, 516.
 German Roentgen Ray Society, 476.
 Geyer, C. W., 115, 119, 120, 447.
 Giavedoni, 465.
 Giessen Clinic, 290-292.
 Giss, 288.
 Glasser, Otto, 86, 443, 444, 468, 475, 477, 478.
 Gley, 465.
 Gocht, 286.
 Goddu, Louis A. O., 271.
 Goiter, exophthalmic, Effect of administration of iodine upon, A. S. Jackson (abstract), 458.
 Gold treatment of tuberculosis (abstracts), 174, 175.
 Golden, Ross, 91.
 Goldsmith, Ralph, 452.
 Gordon, Burgess, 262.
 Goss, 289.
 Gould, 29.
 Gowen, Guy A., 361.
 Grady, H. W., 262.
 Graham, Allan, 443.
 Graham, E. A., 211, 216, 218, 220, 222, 225, 262, 443.
 Graham, 415.
 Graham test. *See under* Graham, E. A., Gall bladder, Cholecystography, Tetrabromphenolphthalein, etc.
 Gram, H. C., 207.
 Granger, Amédée, 44.
 Granger, Frank B., 263.
 Grant, Owsley, 442.
 Granulomata, Albert Soiland, 410.
 Graves, W. P., 148, 322.
 Gray, A. L., 262.
 Gray, Sir H. M. W., 482.
 Grigorieff, 513.
 Grigorjev, S. P., 525.
 Greene, D. Crosby, 87, 88.
 Greenough, Robert B., 8, 86, 87, 288, 290, 303.
 Grier, G. W., 210, 357, 359.
 Groover, T. A., 189, 296.
 Grote, Henry W., 262.
 Gulland, 198.
 Gunsett, 276, 279.
 Gurlt, E. B., 416.
 Gye, W. E., 364, 451.
 Gynecological conditions treated with radium alone or combined with surgery, W. S. Smith (abstract), 453, 454.
 Hager, 76.
 Haggard, H. W., 288.
 Hahn, Leo J., 8.
 Hahnemann, 448, 449.

- Halstead, 288-290.
 Hamburg State Sanatorium, 210.
 Hamilton, Burton E., 443.
 Handley, W. S., 290, 487.
 Hanford, J. M., 356.
 Haret, 358.
 Harper Hospital, 290.
 Harris, George R., 198.
 Harris, H. L., 436.
 Hartman, F. W., 59.
 Hartmann, 306.
 Hartwell, John A., 415.
 Harvard Medical School, 218.
 Hazen, H. H., 263.
 Healy, Thomas R., 273.
 Healy, W. P., 234.
 Hearing, impaired, Study of effect of roentgen-ray therapy upon, D. C. Jarvis (abstract), 179.
 Heart, Effect of pertussis on, P. V. Ledbetter and P. D. White (abstract), 84, 85.
 Heliotherapy in advanced pulmonary tuberculosis, I. D. Bronfin (abstract), 456, 457.
 Hemler, W. F., 263.
 Hemoclastic crisis test for liver function, Study of, A. F. B. Shaw (abstract), 269.
 Hendricks, C. M., 91.
 Henes, Edwin, Jr., 171.
 Henkel, Herbert B., 72, 73.
 Heredity, Cancer and, P. Lockhart-Mummery (abstract), 269.
 Herendeen, R. E., 37, 276, 286, 300, 303, 304, 443, 533.
 Herger, Charles C., 399.
 Hernaman-Johnson, 277, 294.
 Herrick, Frederick C., 457.
 Herrick, J. F., 398.
 Herzfeld, 206.
 Heublein, 397.
 Hewins, Warren W., 424.
 Heymann, 8.
 Hickey, P. M., 42, 171, 262, 303, 443.
 Hines, L. E., 296.
 Hinkley, Tracy, 355.
 Hirsch, I. S., 268, 269, 443.
 Hirsch, 465.
 Hirschboeck, 30.
 Hirtz compass, Localization of lung abscess by roentgen ray, with special reference to use of, L. R. Sante and E. P. Lehman (abstract), 360.
 Hodges, F., 76.
 Hoerber, R., 206.
 Hoffman (Heidelberg), 291, 292.
 Hoffmann, 290.
 Hofmeister, 361.
 Holfelder, H., 67.
 Holland, C. Thurston, 261.
 Holmes, George W., 294, 295.
 Holthusen, H., 200-202, 276.
 Holzknecht, G., 67, 276, 427, 461.
 Homeopathy, 448.
 Hooker, D. R., 263.
 Hopkins, J. Gardner, 356.
 Hopwood, Prof., 260.
 Horsley operation for duodenal ulcer, 454.
 Hotchkiss, Lucius, 115.
 Howard A. Kelly Hospital, Baltimore, 279.
 Hoy, 66.
 Hubeny, M. J., 171, 446.
 Humerus, Fracture of: non-union, H. B. Podlasky, 344.
 Humphrys, Ethel D., 443.
 Hunter, 206.
 Hurst, A. F., 176, 177.
 Hussey, 297.
 Hutten, von der, 291, 292.
 Hydrochloric acid theory, 465.
 Hydronephrosis, Gigantic, with hydroureters, congenital, E. H. Kessler, 163.
 Hyman, A., 416.
 Hypernephroma in bone, Metastatic manifestations of, Richard Dresser, 358, 359.
 Hypertension, Right-sided carotid pulsations in cases of severe, G. E. Brown and L. G. Rowntree (abstract), 52.
 Hypertrophy of bones of limb due to nevus, Donald Paterson and W. G. Wyllie (abstract), 180, 181.
 Imboden, H. M., 171.
 Infancy, Vomiting in, H. C. Cameron (abstracts), 175-177.
 Infant chest, Radiography of, with special reference to "progression of chest and determination of normal," W. W. Wasson, 365.
 Infection, Focal: a medico-dental problem, F. P. Wisner (abstract), 363, 364.
 Inflammatory conditions, X-rays in treatment of various, Simon Albert (abstract), 270.
 Iniencephalus—a cause of extreme dystocia, W. A. N. Dorland (abstract), 360.
 "International Clinics," IV, 34th Series, 1924, reviewed, 66.
 "International Clinics," I, 35th Series, 1925, reviewed, 173.
 Inter-state Post-graduate Assembly of America, 171.
 Intestine, Congenital abnormalities of: intestinal aplasia, atresia of rectum and anus complicated by rectovesical fistula, with report of cases, R. E. Farr and C. W. Brunkow (abstract), 453.
 Intrathoracic changes induced by heavy radiation, W. A. Evans and T. Leucutia (abstract), 257.
 Iodine, Effect of administration of, upon exophthalmic goiter, A. S. Jackson (abstract), 458.
 Isaacs, Harry J., 272.
 Iselin, H., 290, 293.
 "Italian formula," 85.
 Ivy, Robert H., 455.
 Jackson, Arnold S., 458.
 Jackson, Chevalier, 269, 270, 313, 315.
 Jacobs, Benjamin, 165.
 Jaisson, C., 513.
 Janeway, H. H., 54.
 Jarre, H. A., 500.
 Jarvis, D. C., 179.
 Jaw, lower, Certain difficult problems in treatment of carcinoma of, Frederick M. Johnson, 280.
 Jenkinson, E. L., 443.
 Jerman, E. C., 172, 245, 339, 430, 520.
 Jewish women, Statistics concerning, 15.
 Johns Hopkins Hospital, Baltimore, 54, 55, 288, 290, 291.
 Johnson, Frederick M., 280.
 Johnson, Miss Mattie, 193.
 Joll, C. A., 487.
 Jones, L. A., 237.
 Jones, Thomas E., 306.
 Jones, 307.
 Jorstad, Louis H., 443.
 Jostes, Fred A., 362.
 Judd, E. Starr, 290, 529.
 Jüngling, 37, 276, 291.
 Kähler's disease, 132.
 Kahn, Dalton, 70.
 Kahn, Max, 145.
 Kaplan, Ira I., 157.
 Kastner, H., 291, 292.
 Katzenburg, 286.
 Keene, F. E., 148, 150, 151.
 Kegerreis, Roy, 470.
 Kehrer, 276.

- Kelly, Howard A., 54, 147, 232, 307, 468.
 See also Howard A. Kelly Hospital.
 Kendrick, W. S., 440.
 Keratoses, roentgenologists', 33, 89, 90.
 Kern, M. J., 263.
 Kessler, E. H., 163.
 Kidner, F. C., 362.
 Kidney, Some anomalies of, B. H. Nichols (abstract), 84.
 Kidney stones, Differential diagnosis of gallstones and, Bernard H. Nichols, 107.
 Kiel Clinic, 290, 291.
 Kienboeck, 67.
 Kienböck's disease of semilunar bone, Ralph Goldsmith (abstract), 452.
 Kilgore, A. R., 205.
 Kirkbride, 495.
 Kirklin, B. R., 443.
 Klein, J., 206, 209.
 Knaggs, R. L., 91, 92.
 Knazovicky, 163.
 Krehl, Prof., 459, 465.
 Knerr, E. B., 165.
 Kretschmer, H. L., 416.
 Knox, Robert, 260, 261.
 Knox, 67.
 Kocher, 361.
 (Kochler's disease), Isolated disease of tarsal scaphoid; end-results in treated and untreated cases, Frederick E. Diemer and Frank E. Butler, 159.
 Kok, F., 299.
 König, 290, 291, 295.
 Kraske, 306.
 Kuhlmann, B., 531.
 Lafferty, Robert H., 263.
 Lahey, Frank H., 443.
 Lahm, L., 532.
 Laignel-Lavastine, 466.
 Landauer, Robert S., 258, 259.
 Lane, Sir W. A., 482.
 Lange, S., 44.
 Lange, 210.
 Laroche, G., 517.
 Larsen, T., 292.
 Law, F. M., 44-52, 361.
 Lazarus-Barlow, W. S., 268, 269, 288.
 LeBoutillier, 385.
 Ledbetter, Paul V., 84, 85.
 Leddy, E. T., 179, 275, 310.
 Lee, Burton J., 276, 286, 288, 293-295, 301-305, 413-415, 444, 533.
 Leeming, 288.
 LeFevre, W. I., 319, 442, 446, 484, 494.
 Lehman, Edwin P., 92, 360.
 Lehmann, J. F., 290, 292, 293.
 Lehmann, 67.
 Lenz, Maurice, 274.
 Leonard, R. D., 273, 528.
 Leucutia, T., 257.
 Leukemia, Study of effect of deep therapy on blood in, W. L. Watt and L. J. C. Braine (abstract), 89.
 Leutzing, 486.
 Levy, Lester, 444.
 LeWald, Leon T., 29, 42, 43, 117, 144, 178, 263, 355, 397, 442, 484, 485, 489, 494.
 Lewis, R. M., 54.
 Lieber, G. D., 531.
 Liertz, R., 513.
 Lillie, Harold I., 271.
 Lindenberg, H., 289, 290.
 Linder, C., 292, 293.
 Linzenmeier, G., 206.
 Lipomas, Deep-seated, E. P. Lehman (abstract), 92.
 Liver function, Study of hemoclastic crisis test for, A. F. B. Shaw (abstract), 269.
 Livingood, John E., 210.
 Lockhart-Mummery, P., 269.
 Lockwood, Charles D., 173.
 London Hospital, 180.
 Loosen, H., 291, 292.
 Lord, Frederick T., 271, 272.
 Lorenz, 201.
 Lotsch, 362.
 Loucks, R. E., 397.
 Lower, 53.
 Lubarsch, 326.
 Lumière, 476.
 Lund, 164.
 Lung abscess, Localization of, by roentgen ray, with special reference to use of Hirtz compass; preliminary report, L. R. Sante and E. P. Lehman (abstract), 360.
 Lusk, 307.
 Lymphangioma of leg, H. C. Cameron (abstract), 92.
 Lymphosarcoma of cecum, Report of case of, T. S. Swan, 71.
 Lynch, 306.
 Lynham, J. E. A., 261.
 Lyon, B. B. Vincent, 443.
 Lyon, 220.
 Lysholm, E., 292.
 McArthur, 119.
 McBurney's point, 517.
 McCarrison, Robert, 480.
 MacCarty, William C., 14, 15, 144-146, 277, 290, 297.
 McClure, C. C., 22.
 McCutchen, Lex G., 490.
 McFarland, 290.
 McJunkin, 21, 23.
 McKee, James, 398.
 McKendrick, Archibald, 173.
 McKittrick, 307.
 McMahon, Joseph, 447.
 McNamee, E. P., 171.
 McNee, 415.
 MacRae, John D., 365, 396, 442.
 Mackoy, F. W., 444.
 Maerz, M. L., 500.
 Mahle, A. E., 334.
 Malignancies, treatment of, 88.
 Malignant disease, General survey of radiotherapy in, S. G. Scott (abstract), 180.
 Malignant disease of ear, nose, and throat, Electrocoagulation and radiation therapy in, G. E. Pfahler (abstract), 357.
 Malignant neoplasms, Further observations on treatment of, by fractional roentgen radiation technic, J. D. Morgan (abstract), 273, 274.
 Malignant neoplasms, Some unusual cases of, J. K. Narat (abstract), 452, 453.
 Malignant newgrowths, Etiology of, W. E. Gye (abstract), 364.
 Malignant tumors, Mechanism of formation and growth of, Alexis Carrel (abstract), 530, 531.
 Mallinckrodt Company, 214.
 Maltz, Maxwell, 36.
 Manges, Willis F., 171, 260, 317.
 Martin, Charles L., 262.
 Martiri, A., 132.
 Martzloff, K. H., 322, 323, 425.
 Massachusetts General Hospital, Boston, 84, 87, 288, 495.
 Mastoids, New device and technic for making radiographs of, in Law and in Arcelin positions, Amédée Granger, 44.

- Matas, Rudolph, 89.
 Matson, Ralph C., 451.
 Matson, Ray W., 451.
 Matthews, A. A., 486.
 May, 307.
 Mayburg (Tichy), 292.
 Mayo, Charles, 256.
 Mayo Clinic, Rochester, Minn., 55, 101, 132, 169, 248, 288, 306, 331, 335, 337, 358, 416, 486.
 Mayo, W. J., 333.
 Means, Hugh J., 360.
 "Medical Follicles, The," Morris Fishbein, 448.
 Meek, 76.
 Melville, Stanley, 261.
 Memorial Hospital, New York, 5, 14, 56, 57, 234, 276, 280, 300, 302, 413.
 Menees, Thomas O., 211 *et seq.*; 226, 355, 356.
 Meningiomas: Roentgenological aspects of brain tumors, M. C. Sosman and T. J. Putnam (abstract), 90.
 Menville, L. J., 220.
 Merrill, A. S., 85.
 Merrill, 286.
 Merritt, E. A., 189, 296.
 Mertz, H. O., 417.
 Metabolic disturbances, Immediate, following deep roentgen-ray therapy, H. P. Doub, A. Bolliger, and F. W. Hartman (abstract), 59.
 Metallic tractors of Elisha Perkins, 448.
 Metcalfe, James, 261.
 Meyer, Carl, 415.
 Meyer, Keith T., 416.
 Meyer, Willy, 289, 290, 313.
 Meyerding, Henry W., 37, 132, 146, 442, 486.
 Michael Reese Hospital, Chicago, 118.
 Middlesex Hospital, London, 232, 288, 486, 509.
 Middleton, W. S., 76.
 Mikulicz-Radecki, von, F., 206, 209.
 Miller, William Snow, 375, 383, 387.
 Milliken, Gibbs, 211, 215, 225, 456.
 Mills, Walter (deceased), 119.
 Mills, 85, 290, 306, 307.
 Milward, F. W., 131.
 Minot, George, 442.
 Missouri Valley, Medical Society of, 267.
 Mixer, C. G., 514.
 Moellgaard, Prof., 174.
 Moles, warts, and epitheliomata, Roy Blosser (abstract), 236.
 Montgomery, Albert H., 453.
 Moore, A. B., 262, 487, 488.
 Moore, B. H., 362.
 Moore, Sherwood, 18, 42, 43, 109-114, 119, 120, 260, 442.
 Moore, 216.
 Morgan, J. D., 179, 180, 263, 273, 274, 276.
 Morrison, 354.
 Morson, A. C., 509, 510.
 Moulton, Joseph S., 447.
 Mound Builder Indians of Ohio, Roentgenological study of skeletal remains of, H. J. Means (abstract), 360.
 Mt. Sinai Hospital, New York, 54.
 Mt. Sinai Hospital, 416.
 Moynihan, Berkeley, 87, 261.
 Mueller, W., 67.
 Mugrage, 369.
 Muir, John, 261.
 Muir, Joseph, 53, 88, 147, 232, 322, 425, 509.
 Müller, 486.
 Murphy, 277, 297.
 Murray, R. S. E., 272.
 Mutscheller, A., 444, 468, 470.
 Myeloma, Multiple, Henry W. Meyerding, 132.
 Myelomata, Multiple, W. J. Stone (abstract), 178.
 Myelomata, Myeloid, Sherwood Moore, 18.
 Naffziger, Howard C., 455.
 Nakahara, 297.
 Narat, Joseph K., 453.
 National Tuberculosis Commission, 365.
 Navarro, 465.
 Neber, 290.
 Nebraska, University of, Medical School, 16.
 Needle perforating duodenum, Ralph B. Bettman and Arthur R. Bloom, 161.
 Neill, William, Jr., 1, 14, 16, 54, 343.
 Nessa, N. J., 167.
 Neuman, 295.
 Nevus, Hypertrophy of bones of limb due to, Donald Paterson and W. G. Wyllie (abstract), 180, 181.
 New, 357.
 New York Hospital, 302.
 New York State, Statistics of, 331.
 Newell, R. R., 179, 528.
 Nichols, Bernard H., 84, 107, 110, 111, 115, 120, 442, 443.
 Nielsen, Johannes M., 363.
 Noback, 375.
 Nobel, C. P., 333.
 Nogier, 297.
 Nordentoft, S., 295.
 Norris, C. C., 333-335.
 Norris, 30.
 Novak, 357.
 Novitsky, 73.
 Nuzum, J. W., 331.
 Ochsner, 66.
 O'Hara, F. S., 72.
 Opitz, 276, 277, 295.
 Oppenheimer, 358.
 Orndoff, B. H., 369, 443, 446, 475.
 Orr, C. R., 442.
 Osgood, Herman A., 82.
 Osgood, R. B., 133, 135.
 Osler, Sir William, 435.
 Osmond, J. D., 171, 312.
 Ossification of peroneal tendon or sesamoid, in region of attachment at base of fifth metatarsal, L. A. O. Goddu (abstract), 271.
 Osteitis deformans, Sarcoma complicating: report of two cases, J. D. Camp, 495.
 Osteomyelitis of cranial bones secondary to paranasal sinus operations, H. I. Lillie (abstract), 271.
 Osteopathy, 449.
 Otolaryngology, Present status of electrotherapeutic measures used in practice of, J. C. Beck and H. L. Pollock (abstract), 231.
 Ottenberg, Reuben, 213.
 Packard, 495.
 Paget, 288.
 Palefski, Israel O., 226.
 Palmer, Myron B., 37.
 Pancoast, H. K., 179, 262, 365, 513.
 Papini, 417.
 Pappenheimer, 415.
 Paré, Ambroise, 354.
 Pariseau, L. E., 279, 444, 476-478.
 Parish, Benjamin D., 270, 271.
 Patella, Congenital anomaly of, A. W. George and R. D. Leonard (abstract), 273.
 Pater, 415.
 Paterson, Donald, 180, 181.
 Pawlow pouches, 356, 357.
 Pearce, 385.
 Peck, 290.
 Peiser, 326.
 Pennington, 307.
 Perkins, Elisha, 448.
 Perkins, C. Winfield, 262.

- Perry, Gentz, 447.
 Perthes, 290-292, 305.
 Pertussis on heart, Effect of, P. V. Ledbetter and P. D. White (abstract), 84, 85.
 Pertussis, Roentgen treatment of, 528.
 Peste, 452.
 Peter Bent Brigham Hospital, Boston, 218.
 Peterson, E. W., 453.
 Peyer's patches, 525.
 Pfahler, George E., 33, 75, 185, 210, 214, 216, 263, 270, 271, 274, 276, 289, 294, 357, 398, 486, 513, 517.
 Phemister, D. B., 442.
 Philadelphia Roentgen Society, 75.
 Phillips, H. B., 358.
 Phillips, C. C., 263.
 Pichler, 92.
 Piersall, C. E., 494.
 Piette, Eugene C., 525.
 Piney, A., 86.
 Pituitary adenomas, 4.
 Pituitary gland, Metastatic carcinoma of, and diabetes insipidus, A. Piney and Ida Coates (abstract), 86.
 Plaster, Barium sulphate, for protection against 200,000 volt roentgen rays, L. R. Sante and Tracy Hinkley (abstract), 355.
 Pleura, Endothelioma of, F. W. Gaarde and C. G. Sutherland, 526.
 Plummer, 458.
 Pneumonia, typhoid, Case report of, Webster W. Bel-den, 435.
 Pneumoperitoneum as aid in diagnosis of pelvic lesions and early pregnancy, L. E. Burch (abstract), 457, 458.
 Pneumothorax, artificial, Observations concerning the contralateral lung in pulmonary tuberculosis treated by, R. W. Matson, R. C. Matson and Marr Bisailon (abstract), 451.
 Pneumothorax, Diagnostic, H. J. Isaacs (abstract), 272.
 Podlasky, H. B., 344.
 Pohle, Ernst A., 67, 206, 444, 529-532.
 Poirier, Paul, 325.
 Pollese, 322.
 Pollock, H. L., 231.
 Pomeroy, L. A., 131.
 Pordes, 276.
 Porges, 67.
 Porter, C. A., 89, 90.
 Portmann, U. V., 276, 286 *et seq.*
 Potter, H. E., 446.
 Practitioner, general, "Don'ts" for, 91.
 Pratt, H. H., 513.
 Preston, T. W., 106.
 Price, 170.
 Prime, F., 297.
 Primrose, 290.
 Prostate, Problem of benign, E. O. Swartz (abstract), 357, 358.
 Protection against 200,000 volt roentgen rays, Barium sulphate plaster for, L. R. Sante and Tracy Hinkley (abstract), 355.
 Protection device for high voltage therapy, G. E. Pfahler (abstract), 274.
 Pugh, Winfield S., 533.
 Pulmonary collapse, Massive, A. B. Soltau (abstract), 121.
 Putnam, T. J., 90.
 Pyelonephritis, Arthur H. Crosbie (abstract), 269.
 Quick, Douglas, 263, 280, 284, 307, 444.
 Quigley, Daniel T., 9, 15, 16.
 Quimby, Edith H., 360.
 R unit, 476, 477, 531.
 Radiation, Biological experiments on question of stimulating effect of, J. Seide (abstract), 532.
 Radiation, Further studies in effectiveness of different wave lengths of, Francis Carter Wood, 199.
 Radiation, Physiological effects of — electromagnetic spectrum, W. T. Bovie (abstract), 271.
 Radio-active substances and their therapeutic uses and applications, Joseph Muir, 53, 147, 232, 322, 425, 509.
 Radio-activity, Influence of, on metabolism in cells of animals and plants, J. Stocklase (abstract), 530.
 Radiodermatitis, Electrocoagulation or desiccation in treatment of keratoses and malignant degeneration which follow, G. E. Pfahler (abstract), 33.
 Radiography of infant chest, with special reference to "progression of chest and determination of normal," W. W. Wasson, 365.
 Radiological retrospect, Albert Soiland, 328.
 Radiology, College of, 171.
 Radiology, London Congress of, 259.
 Radiology, Section of American Medical Association, 171.
 Radiotherapy in malignant disease, General survey of, S. G. Scott (abstract), 180.
 Radium emanation in bare tubes, Objections to use of, with clinical and histological observations, W. L. Clark, J. D. Morgan, and E. J. Asnis (abstract), 179, 180.
 Radium in lesions of female urethra, L. A. Pomeroy and F. W. Milward (abstract), 131.
 Radium, Practical *versus* theoretical application of high voltage X-rays and, S. C. Barrow, 228.
 Radium treatment of tonsils, C. A. Simpson (abstract), 177.
 Radius, Separation of upper epiphysis of, A. H. Montgomery (abstract), 453.
 Radius, Treatment of epiphyseal separation of lower end of, Isadore Zadek (abstract), 458.
 Rahm, H., 290-292.
 Rajewsky, 201.
 Rand, Carl W., 363.
 Raper, Howard R., 250.
 Rectum, cancer of, Radiation treatment of, Thomas E. Jones, 306.
 Régaud, 276, 282, 299, 357, 510.
 Reid, 513.
 Reimann, S. P., 335.
 Remington, 307.
 Renal tumors, Roentgen-ray diagnosis of, Keith T. Meyer, 416.
 Research Hospital, Kansas City, 165.
 Reynolds, L., 262.
 Reynolds, Russell, 181, 182.
 Richet, 465.
 Rickets, Roentgen-ray study of 926 cases of, T. A. Groover, A. C. Christie, and E. A. Merritt, 189.
 Rieder, 461.
 Risley, E. H., 487.
 Risse, 209.
 Roberts, Douglas J., 359.
 Robinson, H. C., 211, 226, 355, 356.
 Rodman, 288, 289.
 Roentgen-ray lesions, Surgical treatment of, C. A. Porter (abstract), 89, 90.
 Roentgen rays, Physico-chemical effect of, on organism, G. D. Lieber (abstract), 531.
 Roentgen rays, Systemic effect of: critical review, B. Kuhlmann (abstract), 531.
 Roentgen therapy machines, analysis of: Wave form and efficiency, W. E. Chamberlain and R. R. Newell (abstract), 179.
 Roentgenologist, Necropsy of, E. C. Piette, 525.
 Roentgenology, Dangers in, G. E. Pfahler, 75.
 Rolleston, Sir Humphry, 261.
 Ronneaux, G., 517.
 Roosevelt Hospital, New York, 440.

- Rose, C. B., 296.
 Rosenbloom, Jacob, 134.
 Rosenheck, Charles, 121.
 Ross, Joan M., 198.
 Rostock, Clinic, 289-292.
 Rothe, E., 207.
 Rous, Peyton, 364, 530, 531.
 Rowe, E. W., 75, 76.
 Rowe, 30.
 Rowntree, Leonard G., 52.
 Ruge, Carl, 324.
 Ruggles, Howard E., 442, 444.
 Russ, S., 297.
 Russell, 309.
 Ryan, Eric J., 222.
- Sacro-iliac conditions, Clinical diagnosis of common, M. N. Smith-Petersen (abstract), 178.
 St. Louis City Hospital, 490.
 St. Mary's Hospital and Infirmary, St. Louis, 490.
 Saltzstein, H. C., 290.
 Samuel, E. C., 263, 365.
 Sandborn, M. J., 446, 447.
 "Sanocrysin," 174.
 Sante, L. R., 87, 114, 146, 355, 360, 451-458, 490-494, 530-533.
 Sappey, 326.
 Sarcoma complicating osteitis deformans: report of two cases, J. D. Camp, 495.
 Sarcoma, Radium and X-rays in treatment of round-cell, B. F. Schreiner and C. C. Herger, 399.
 Sarcoma, Study of reactions of tissues of rat's liver to larvae of *Tenia Crassicolis* and histogenesis of cysticercus, F. D. Bullock and M. R. Curtis (abstract), 52.
 Schintz, H. R., 276.
 Schinz, 206.
 Schloffer's Clinic, 289, 290.
 Schmieden Clinic, 307.
 Schmitt (of Germany), 441.
 Schmitz, Henry, 14, 15, 42, 177, 178, 425, 444, 452.
 Scholl, A. J., 53, 418.
 Schreiner, B. F., 279, 304, 305, 310, 337, 399, 414, 475, 477.
 Schwartz, 276.
 Schwarzkopf, 290.
 Sciatica: neuro-orthopedic consideration, Charles Rosenheck and Harry Finkelstein (abstract), 121.
 Scott, S. Gilbert, 180.
 Secker, 175.
 Seelig, 326.
 Seide, J., 532.
 Seitz, L., 276, 500, 506, 531.
 Selmen Winter Foundation, 367.
 Semilunar bone, Kienböck's disease of, Ralph Goldsmith (abstract), 452.
 Serdjukov, 465.
 Shambaugh, 361.
 Shaw, A. F. Bernard, 269.
 Shearer, 73.
 Sheldon, Albert R., 437.
 Shield, 289.
 Shroder, C. H., 453.
 Sibley, 288.
 Siebel, John, 172.
 Silverman, 220.
 Simonds, J. P., 361.
 Simpson, C. A., 177.
 Sinus disease, maxillary, Comparative value of transillumination and roentgenography in diagnosis of, H. H. Briggs (abstract), 361.
 Sinuses, New technique in roentgenography of nasal accessory, Maxwell Maltz (abstract), 36.
 Siris, Irwin E., 456.
 Sisk, I. R., 76.
 Sistrunk, W. E., 288, 290, 291.
 Sittenfield, M. J., 276, 295.
 Skeletal remains of prehistoric Mound Builder Indians of Ohio, Roentgenological study of, H. J. Means (abstract), 360.
 Skinner, E. H., 263, 516, 518.
 Skull, Fracture of: analysis of 171 proved cases, C. W. Rand and J. M. Nielsen (abstract), 362, 363.
 Sloane Hospital for Women, New York, 149, 150.
 Sluys, 295.
 Smith, Elliot, 60.
 Smith, George Gilbert, 55.
 Smith, Morris K., 356.
 Smith, William S., 454.
 Smith, 290.
 Smithies, 215.
 Smith-Petersen, M. N., 178.
 Soiland, Albert, 261, 279, 328, 337, 410 *et seq.*, 442, 477.
 Solomon, 477.
 Solomon iontoquantimeter, Comparison between French and German "erythema dose" as measured on, I. I. Kaplan (abstract), 157.
 Soltau, A. Bertram, 121.
 Soresi, A. L., 361.
 Sosman, M. C., 90, 215, 218, 226, 262.
 Southard, J. D., 34, 42, 43.
 Spear, F. G., 260.
 Spine, Compression fractures of, L. R. Sante and L. G. McCutchen, 490.
 Spectrum, electromagnetic — Physiological effects of radiation, W. T. Bovie (abstract), 271.
 Speese, 289.
 Sphere gap (editorial), 349.
 Spondylitis deformans, R. L. Knaggs (abstract), 91, 92.
 Sprengel, 288.
 Spriggs, E. I., 513.
 Stacy, Leda J., 331.
 Stall, A. H., 166.
 Starling, 176, 467.
 Steele, 495.
 Stein, Irving F., 161, 444.
 Steiner, J. M., 440.
 Steintal cancer groups, 287, 290.
 Stenstrom, K. Wilhelm, 273, 477.
 Stephenson, F. B., 91.
 Stereoscopic radiograph, Physiology of true optical view by means of, Emil G. Beck and Elliot Smith, 60.
 Sterilization, Temporary roentgen, and its indication, H. Borell (abstract), 529.
 Stern, W. G., 67, 70.
 Stetten, DeWitt, 227.
 Stevens, W. E., 416.
 Stewart, W. H., 171, 214 *et seq.*; 222, 257, 262.
 Stocklasa, J., 530.
 Stomach, Diverticula of: possible source of error in radiological diagnosis of gastric ulcer, A. F. Hurst and P. J. Briggs (abstract), 177.
 "Stomach, leather-bottle," Some observations on condition sometimes called, Stanley Wyard (abstract), 530.
 Stomach, Multiple diverticula, with hemorrhage, in wall of, C. G. Sutherland, 523.
 Stomach, Niches of greater curvature of: reports of two cases, C. G. Sutherland, 248.
 Stomach, Syphilis of, J. A. Hartwell (abstract), 415.
 Stomach, Syphilis of, with study of ten probable cases, A. S. Merrill (abstract), 85.
 Stone, W. J., 178.
 Stone, W. S., 294, 442.
 Stone, 413.
 Stowell, C. F. B., 83, 170.
 Strangeways, T. S. P., 260.
 Strauss, A., 171.
 Strauss, Alfred A., 93.

- Struble, H. P., 528.
 Sturm, 297.
 Submaxillary region, Swellings of, R. H. Ivy (abstract), 454, 455.
 Sullivan, 76.
 Supreme Court decision for RADIOLOGY, 264.
 Surgeons, American College of, 8, 86.
 Surgical and radiation therapy, Relative indications for, in certain borderline cases, Irvin Abell, 194.
 Sutherland, Charles G., 248, 444, 523, 526.
 Swan, Theodore S., 71.
 Swanberg, Harold, 444.
 Swartz, Ernest O., 359.
 Sweden, Statistics of, 8.
 Symmers, Douglas, 132.
 Syphilis of stomach, J. A. Hartwell (abstract), 415.
 Syphilis of stomach, with study of ten probable cases, A. S. Merrill (abstract), 85.
 Syphilitic origin. Analysis of bone and joint lesions of known, Willis C. Campbell, 122.
 Tamann, H., 67.
 Tarsal scaphoid, Isolated disease of (Koehler's disease): end-results in treated and untreated cases, Frederick E. Diemer and Frank E. Butler, 159.
 Taussig, Fred. J., 5, 17, 147, 148, 234.
 Taylor, 11.
 Technicians, Course for radiological, 351.
 "Teeth and Jaws, Roentgenologically Considered," reviewed, 82.
 Tendon or sesamoid, Ossification of peroneal, in region of attachment at base of fifth metatarsal, L. A. O. Goddu (abstract), 271.
 Tetra bromphenolphthalein injection as an office procedure, Charles D. Enfield, 104.
 Tetra bromphenolphthalein, Oral administration of sodium—preliminary report, T. O. Menees and H. C. Robinson (abstract), 355, 356.
 Tetra bromphenolphthalein sodium salt, Further experience with, in roentgenographic diagnosis of gall-bladder disease, W. H. Stewart (abstract), 257.
 Tetraiodophenolphthalein, Oral administration of, for cholecystography, T. O. Menees and H. C. Robinson, 211.
 Theilhaber, 277.
 Thoms, Herbert, 262.
 Thomson, 176.
 Thorne, Van Buren, 448, 449.
 Thymus, Enlarged: differential diagnosis and radium treatment, G. W. Grier (abstract), 210.
 Thymus stimulation by roentgen rays, Investigation of, Maurice Lenz (abstract), 274.
 Thyroid, Is irradiation a satisfactory treatment for sub-sternal? G. W. Grier (abstract), 359.
 Tichy, 290-292.
 Tietze, 289.
 Tinnemeyer, Wilhelm, 163.
 Tonsils, Radium treatment of, C. A. Simpson (abstract), 177.
 Trachea, Primary carcinoma of, Kenneth S. Davis, 342.
 Transillumination, 361.
 Tribondeau, 67.
 Trostler, I. S., 42, 43, 113, 119, 244, 309, 396, 446.
 Tuberculoma of cecum: hyperplastic tuberculosis, F. C. Herrick (abstract), 457.
 Tuberculosis, bone, X-ray treatment of, J. D. Southard, 34.
 Tuberculosis, Diagnosis of, C. M. Hendricks, 91.
 Tuberculosis, Differential diagnosis of early, George R. Harris (abstract), 198.
 Tuberculosis, Gold treatment of (abstracts), 174, 175.
 Tuberculosis, hyperplastic: tuberculoma of cecum, F. C. Herrick (abstract), 457.
 Tuberculosis, pulmonary, Heliotherapy in advanced, I. D. Bronfin (abstract), 456, 457.
 Tuberculosis, Pulmonary, in childhood, F. G. Chandler and T. W. Preston (abstract), 106.
 Tuberculosis, Pulmonary, in childhood, J. A. Watt (abstract), 103.
 Tuberculosis, pulmonary, Observations concerning the contralateral lung in, treated by artificial pneumothorax, R. W. Matson, R. C. Matson and Marr Bisailon (abstract), 451.
 Tuberculosis, pulmonary, X-ray diagnosis in, R. S. E. Murray (abstract), 272.
 Tuberculous cervical adenitis, Radiotherapy in treatment of, M. K. Smith and J. G. Hopkins (abstract), 356.
 Tucker, Gabriel, 179, 269, 270.
 Tumors, bladder, Radiotherapy of, Joseph Muir, 53.
 Tumors, bone, Radiation treatment of, William E. Costolow, 37.
 Tumors, brain, Method for localization of: the pineal shift, H. C. Naffziger (abstract), 455.
 Tumors, brain, Results of roentgen therapy on, Percival Bailey (abstract), 4.
 Tumors, brain, Roentgenological aspects of: meningiomas, M. C. Sosman and T. J. Putnam (abstract), 90.
 Tumors, Doubtful—shall we excise a piece for diagnosis? A. R. Kilgore (abstract), 205.
 Tumors, renal, Roentgen-ray diagnosis of, Keith T. Meyer, 416.
 Turbengen Clinic, 292.
 Typhoid pneumonia, Case report of, Webster W. Bel-den, 435.
 Ulcer, duodenal, Operative treatment of, with special reference to Horsley operation, J. F. Erdmann and R. F. Carter (abstract), 454.
 Ulcer, gastric, Diverticula of stomach: possible source of error in radiological diagnosis of, A. F. Hurst and P. J. Briggs (abstract), 177.
 Ullmann, H. J., 114, 204.
 Ureter, Stricture of, W. S. Pugh (abstract), 532, 533.
 Ureteral stones, Use of indwelling catheter to induce passage of, Edwin Beer and L. J. Hahn (abstract), 8.
 Ureteral variations, with associated kidney changes, D. J. Roberts (abstract), 359.
 Urethra, Radium in lesions of female, L. A. Pomeroy and F. W. Milward (abstract), 131.
 Uterine body and cervix, Brief review of indications and technical procedures employed by authors in treatment of cancers of, C. F. Burnam and W. Neill, Jr., 1.
 Uterine cancer, 452.
 Uterine cervix, Radiotherapy of cancer of (Radio-active substances and their therapeutic uses and applications), Joseph Muir, 232, 322, 425, 509.
 Uterine cervix. See Cervix, cancer of, Etiology, pathology and treatment of, Daniel T. Quigley, 9.
 Uterine cervix. See Cervix, cancer of, Irradiation in, Fred. J. Taussig, 5.
 Uterine cervix. See Cervix, cancer of: treatment of malignant diseases with radium and X-ray, R. B. Greenough (abstract), 86, 87.
 Uterine fibroids, Treatment of, J. B. Deaver (abstract), 532.
 Uterus, carcinoma of body of, Treatment of, Leda J. Stacy, 331.
 Uterus, Fibroid, with bladder complications, L. J. Carter, 524.
 Van Ramsdonk, 292.
 Verga, 289.
 Vermooten, Vincent, 456.
 Vertebra, Sacralization of fifth lumbar, B. H. Moore (abstract), 362.

- Vincent (Rockefeller Foundation), 8.
 Vines, 397.
 Vinson, P. P., 313.
 Virchow, 362.
 Viruses, Microscopical examination of filterable, J. E. Barnard (abstract), 451.
 Vogt, M. E., 333-335.
 Voltz, Friedrich, 444.
 Vomiting in infancy, H. C. Cameron (abstracts), 175-177.
 Waldeyer, 326.
 Wallace, W. H., 118, 119.
 Wallgren, A., 132.
 Walters, Waltman, 132.
 Walther, 289, 290, 292.
 Walton, A. J., 313, 316.
 Waring, J. J., 367, 385, 392, 393.
 Warren, 290.
 Warthin, A. S., 31, 262.
 Warts, Moles, and epitheliomata, Roy Blosser (abstract), 236.
 Wassermann test, 122, 123.
 Wassink, 292.
 Wasson, W. W., 8, 17, 52, 85, 86, 92, 121, 365, 442, 481, 529.
 Waters' method for nasal accessory sinus work, 36.
 Watkins factor, 240.
 Watkins, W. W., 91, 198, 210, 269-272.
 Watson-Williams, 361.
 Watt, John A., 103.
 Watt, W. L., 89.
 Wave form and efficiency: analysis of roentgen therapy machines: W. E. Chamberlain and R. R. Newell (abstract), 179.
 Weatherwax, J. L., 179, 275.
 Wedd, 297.
 Weiss, Samuel, 226.
 Wertheim, 425, 426.
 Wetzler, S. H., 344.
 Wheatley, L. F., 262.
 Whitaker, Lester R., 211, 215, 217-221, 225, 262, 456.
 Whitcher, 198.
 White, F. W., 90.
 White, Paul D., 84, 85.
 White, 290.
 Whiteside, Mr., 75.
 Whittaker, Charles R., 173.
 Whittington, W. P., 488.
 Whooping cough, Treatment of, R. R. Newell, 528.
 Widman, B. J., 263.
 Wiesner, B., 67.
 Williams, Alden, 447.
 Williams, Everard, 181, 182.
 Williams, E. G. C., 438.
 Williams, J. T., 325, 333.
 Williams, 288, 487.
 Willis, 289.
 Wilsey, R. B., 237.
 Wilson, L. B., 416.
 Wilson, W. Frank, 146.
 Wilson, 334.
 Winter (Koenigsberg), 502-506.
 Wintz, H., 67, 276, 277, 500, 531.
 Wisconsin, State Medical Society of (Section on Radiology), 76, 446.
 Wisner, F. P., 364.
 Withers, Sanford, 444.
 Wolff, Julius (Wolff's law), 159, 160.
 Woman's Hospital, New York, 150.
 Wood, Francis Carter, 144, 199, 275, 297-299, 416.
 Woodruff, 415.
 Woolston, W. H., 54.
 Wyard, Stanley, 530.
 Wyllie, W. G., 180, 181.
 Xanthosarcoma of thumb, Vincent Vermooten (abstract), 456.
 X-radiation technic, Preliminary report on a modified, W. L. Clark, E. J. Asnis, and J. D. Morgan, 276.
 X-ray art, First three essentials in development of, E. C. Jerman, 520.
 "X-ray Atlas of Normal and Abnormal Structures of the Body," reviewed, 173.
 X-ray consultations of future, Guy Bartlett, 439.
 X-ray diagnosis, What practitioner should expect in, F. B. Stephenson (abstract), 91.
 X-ray plates, Simple and effective method for making positive film reductions from, Albert R. Sheldon, 437.
 X-ray service in hospital, Minimum standard for, James T. Case, 183.
 X-ray technic: from old to new, E. C. Jerman, 245.
 X-ray workers, Co-operation among, E. C. Jerman, 339.
 X-rays in treatment of various inflammatory conditions, Simon Albert (abstract), 270.
 X-rays, Practical method for routine determination of quantity and quality of, Edwin C. Ernst, 468.
 X-rays, Practical *versus* theoretical application of high voltage, and radium, S. C. Barrow, 228.
 X-rays, Versatility of, G. L. Clark (abstract), 181.
 Zadek, Isadore, 458.
 Zink, Oscar C., 443.
 Zweifel, 148.

ROENTGENOLOGIST — Skilled in X-ray and dark-room photography wishes position with doctor's office or hospital. Address Ruth Dulin, 2824 43rd Avenue South, Minneapolis.

